Reformed Pearson Edexcel Functional Skills Entry 3

Section A – Non-calculator

Mathematics

Set 1
For first teaching September 2019
Past Paper Set 1
Time: 25 minutes

Candidate name	

Candidate signature	Date

You must have a

- black or blue ink pen
- pencil
- ruler
- rubber.

Instructions

- Answer every question.
- You can write or draw to show your answers.
- You must **not** use a calculator.

Information

- The total number of marks for this section is 9.

Advice

- Read each question carefully.
- Check your work at the end.
- Ask if you do not understand any words.

Turn over ▶

W64172A

Pearson

1 Amir is doing an IT course.

His course is for 9 months.

He pays £86 each month.

Amir says the course costs more than £750 in total.

Is Amir correct?

Show why you think this.   **(2)**

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

2   Amir has 103 days to finish a project.

He works 7 days a week on the project.

How many weeks and days does Amir have to finish the project?   (3)

Show your working and your answer here.

_____ weeks

_____ days

3   Amir created a mobile phone app for his project.

These are the numbers of downloads for his app in April and May.

April	May
328 downloads	496 downloads

Calculate the total of these numbers.   **(2)**

Show your working and your answer here.

4   The total number of downloads in June was 976

A quarter of these downloads were in the first week of June.

How many downloads were in the first week of June?   **(2)**

☐

Show your working and your answer here.

Reformed Pearson Edexcel Functional Skills Entry 3

Section B – Calculator

Mathematics

Set 1
For first teaching September 2019
Past Paper Set 1
Time: 75 minutes

Candidate name

Candidate signature

Date

You must have a

- black or blue ink pen
- pencil
- ruler
- rubber
- calculator.

Instructions

- Answer every question.
- You can write or draw to show your answers.
- You may use a calculator.

Information

- The total number of marks for this section is 27.

Advice

- Read each question carefully.
- Check your work at the end.
- Ask if you do not understand any words.

Turn over ▶
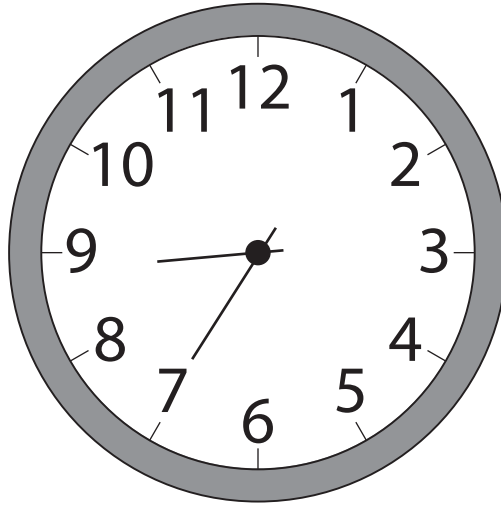
W 6 4 1 7 3 A

Pearson

1   Amir starts a new job in an IT company.

The clock shows the time he arrives at work.

What is the time on the clock?   **(1)**

Tick (✔) the correct answer.

seven forty-three   (   )

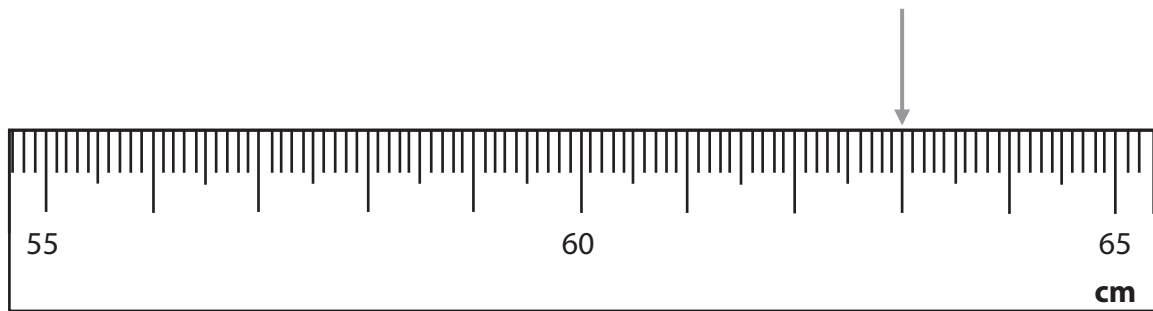twenty-five to nine   (   )

eight twenty-five   (   )

twenty-five past nine   (   )

2 Amir wants to put a speaker next to the computer screen on his desk.

The arrow shows the width of the space available on the desk.

The width of the screen is 540 mm.

The width of the speaker is 8 cm.

Will the screen and the speaker fit in the space?

Show why you think this.

(3)

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

3   Amir needs a laptop.

He chooses the laptop with the least weight.

Which laptop does Amir choose?   **(1)**

Tick (✔) the correct answer.

Laptop weights

2.1 kg	1.8 kg
( )	( )

1.83 kg	2.14 kg
( )	( )

1.77 kg	2.04 kg
( )	( )

4   Amir wants to make a game app.

The chart shows the numbers of downloads of different types of app.

Numbers of app downloads
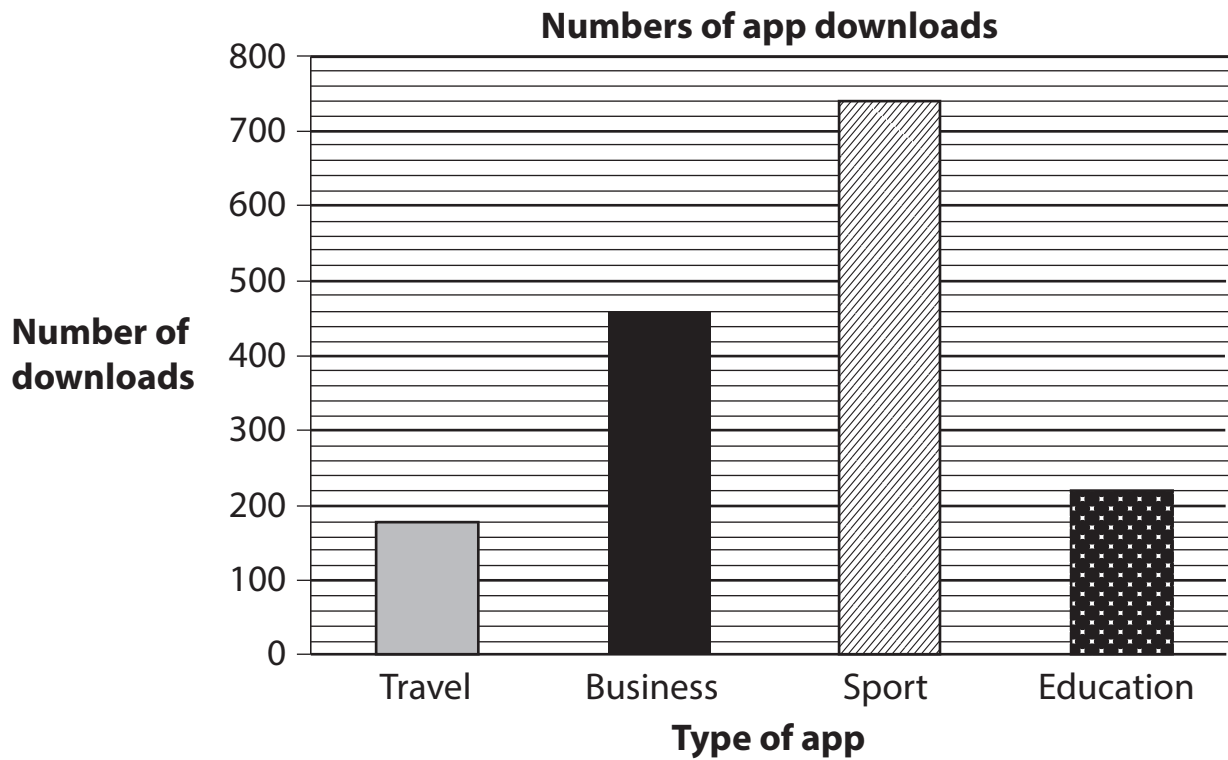
There were 950 downloads of game apps.

Amir says there were more downloads of game apps than the total downloads of sport and travel apps.

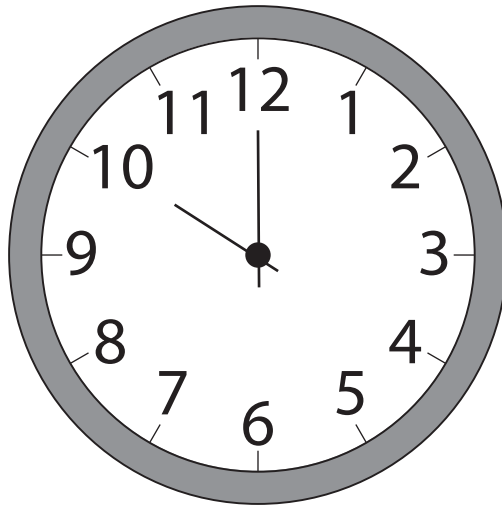**Is Amir correct?**

Show why you think this.   **(3)**

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

5   The clock shows the time Amir starts work on an app in the morning.

He works on the app for 3 hours and 30 minutes.

What time does Amir finish work on the app?

Use correct time format.   **(2)**

Show your answer here.

6 Amir makes a game app.

A player goes up a level in the game when they get enough points.

The number of points needed follow this pattern.

     level 2   30 points
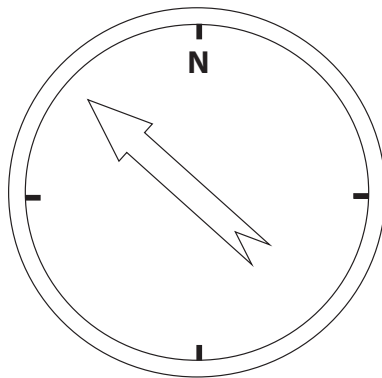
     level 3   45 points

     level 4   60 points

How many points does a player have when they get to level 5?   **(1)**

Show your answer here.

7 The game app will show a compass on the screen.

In which direction does the arrow point? **(1)**

Show your answer here.

8 Amir chooses a shape to show the points scored in the game.

Which shape has only one line of symmetry? **(1)**

Tick (✔) the correct answer.

( )   ( )

( )   ( )

9 Amir finishes his game app.

The table shows the number of downloads of the app.

Month	Number of downloads		
	UK	**Europe**	**Rest of the world**
September	120	419	304
October	267	639	950
November	498	809	762
December	858	681	451

Which month had the greatest number of downloads in Europe? **(1)**

Show your answer here.

10 Amir has this information about the income from his game app.

Month	Sep	Oct	Nov
Income in thousands of £	12	15	23

Amir needs to show this information on a line graph.

Complete the line graph and use a correct scale. **(2)**

Game app income

Income in thousands of £

Sep   Oct   Nov

Month
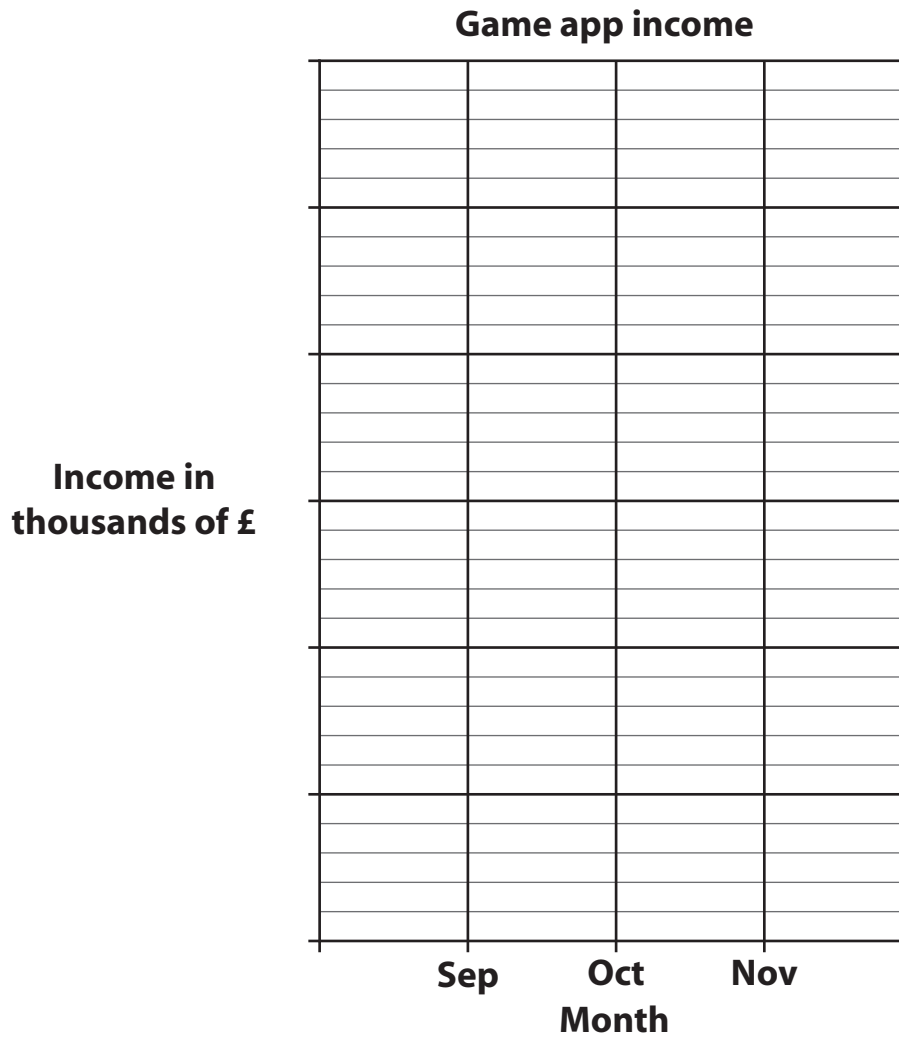
11 Players say what they think about the game app.

fair	good	very good	excellent	good	excellent
excellent	good	excellent	very good	good	good
very good	excellent	fair	excellent	excellent	excellent
very good	excellent	good	good	very good	excellent

Complete the frequency table to show what the players think. **(1)**

What the players think	Frequency
Poor	0
Fair	2
Good	7
Very good	5
Excellent	

12 Amir checks the number of processes running on his laptop.

When Amir started work

| 208 processes |

After one hour

| 321 processes |

How many more processes were running after one hour than when Amir started work? **(2)**

Show your working and your answer here.

13 (a) Round 208 to the nearest 100 **(1)**
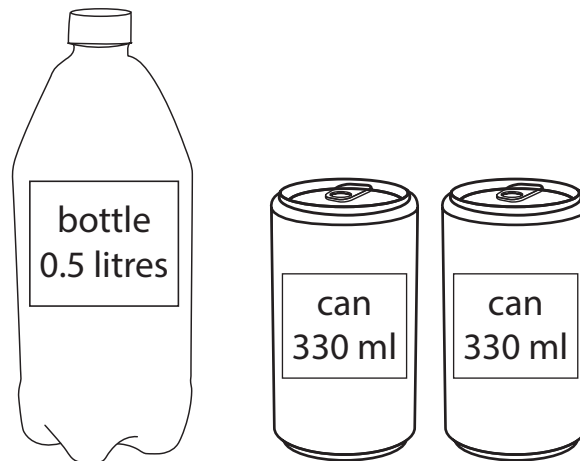
Show your answer here.

(b) Use the rounded number to check your answer to question 12 **(1)**

Show your check here.

14 Amir wants something to drink.

He can choose 1 bottle or 2 cans.

bottle
0.5 litres

can
330 ml

can
330 ml

Does the bottle have more drink than the 2 cans?

Show why you think this.

(2)

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

15 Amir has £75 to buy new software.

He spends £48.90 on the software.

How much money does Amir have left over?

Use correct money format. (3)

Show your working and your answer here.

16 **Round £48.90 to the nearest £1** (1)

Show your answer here.

£ _____